

CLAIMS

1. An artificial dura mater comprising an amorphous or low crystallinity polymer.
2. The artificial dura mater according to claim 1
5 wherein the polymer has a degree of crystallinity of 20 % or lower.
3. An artificial dura mater which is formed as an integral molding of an amorphous or low crystallinity polymer and a structural reinforcement.
- 10 4. The artificial dura mater according to claim 3 wherein the amorphous or low crystallinity polymer and the structural reinforcement are integrated by bonding, fusion or impregnation.
5. The artificial dura mater according to claim 1
15 wherein the elastic modulus of the amorphous or low crystallinity polymer at 5 % extension is 10 MPa or lower.
6. The artificial dura mater according to claim 1 wherein the Tg of the amorphous or low crystallinity polymer is 15°C or lower.
- 20 7. The artificial dura mater according to claim 1 wherein the tensile elongation at break of the amorphous or low crystallinity polymer is 200 % or greater.
8. The artificial dura mater according to claim 1 wherein the elastic modulus of the amorphous or low
25 crystallinity polymer at 37°C is 1×10^8 Pa or less.

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9. The artificial dura mater according to claim 1 wherein the ratio of relaxation elastic modulus/elastic modulus is 0.3 or greater.

10 3 wherein the elastic modulus of the structural reinforcement at 5 % extension is greater than 10 MPa.

11. The artificial dura mater according to claim 3 wherein the Tg of the structural reinforcement is higher than 15°C.

10 12. The artificial dura mater according to claim 3 wherein the tensile elongation at break of the structural reinforcement is less than 200 %.

15 13. The artificial dura mater according to claim 3 wherein the weight of the amorphous or low crystallinity polymer is 10 to 98 % of the total weight of the integral molding.

14. The artificial dura mater according to claim 3 wherein the weight of the structural reinforcement is 2 % or more of the total weight of the integral molding.

20 15. The artificial dura mater according to claim 1 wherein the amorphous or low crystallinity polymer is biodegradable.

16. The artificial dura mater according to claim 3 wherein the structural reinforcement is biodegradable.

25 17. The artificial dura mater according to claim

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3 wherein the amorphous or low crystallinity polymer is biodegradable and the structural reinforcement is non-biodegradable.

18. The artificial dura mater according to claim
5 3 wherein the structural reinforcement is non-biodegradable.

19. The artificial dura mater according to claim
3 wherein the amorphous or low crystallinity polymer is non-biodegradable and the structural reinforcement is
10 biodegradable.

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